

ETV Centers and Priority Technology Categories December 2002

CENTER	PRIORITY TECHNOLOGY CATEGORIES	TECHNOLOGY AREAS
ETV Air Pollution Control Technology (APCT) Center Ted Brna, EPA Center Manager Brna.ted@epa.gov (Tel): 919-541-2683 <i>Research Triangle Institute</i> Jack Farmer jrf@rti.org (Tel): 919-541-6909	Emulsified Fuels	Air
	Paint Overspray Arrestors	Air
	Baghouse Filtration Products	Air
	Add-on NO _x Control Devices	Air
	Dust Suppression and Soil Stabilization Products	Air
	Wood Products	Air
	Distributed Electrical Generation	Air
	Mobile Source Emission Control Technologies	Air
	Volatile Organic Compounds (VOCs) Emission Control Technologies	Air
ETV Drinking Water Systems (DWS) Center Jeff Adams, EPA Center Manager Adams.jeff@epa.gov (Tel): 513-569-7835 <i>NSF International</i> Bruce Bartley bartley@nsf.org (Tel): 734-769-5148	Ultrafiltration Membranes (microbial)	Water
	Ultraviolet Radiation (microbial inactivation)	Water
	Microfiltration Membranes (microbial)	Water
	Coagulation Rapid Filtration (arsenic/microbial)	Water
	Cartridge/Bag Filter Elements (microbial)	Water
	Backwashable Depth Filtration (microbial)	Water
	Precoat DE Filtration (microbial)	Water
	Ozone/Advanced Oxidation (microbial inactivation/SOC)	Water
	On-Site Halogen Generation (microbial disinfection)	Water
	Nanofiltration Membranes (DBP precursors/nitrate/SOC/radionuclides/inorganics)	Water
	Oxidation Coagulation-Filtration (arsenic)	Water

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	Adsorptive Media (arsenic)	Water
	Reverse Osmosis (arsenic/DBP precursors/nitrate/SOC/radionuclides/inorganics)	Water
	Granular Activated Carbon (DBP precursors)	Water
	Ion Exchange (arsenic/nitrate/radionuclides)	Water
	Electrodialysis (arsenic/inorganics/radionuclides)	Water
	Heterotrophic Biological Denitrification (nitrate)	Water
	Air Stripping (VOC/radionuclides)	Water
ETV Greenhouse Gas Technology (GHG) Center Dave Kirchgessner, EPA Center Manager Kirchgessner.david@epa.gov (Tel): 919-541-4021 <i>Southern Research Institute</i> Steve Piccot piccot@sri-rtp.com (Tel): 919-806-3456	Advanced Electricity Production Technologies	Air
	Waste Management Technologies	Air
	Oil and Gas Production and Distribution Technologies	Air
	Greenhouse Gas Monitoring Technologies	Air
	Large Reciprocating Engines	Air
	Refrigeration Technologies	Air
	Distributed Electrical Generation Technologies	Air
	Combined Heat and Power Technologies	Air

CENTER	PRIORITY TECHNOLOGY CATEGORIES	TECHNOLOGY AREAS
ETV Advanced Monitoring Systems (AMS) Center Robert Fuerst, EPA Center Manager Fuerst.robert@epa.gov (Tel): 919-541-2220 <i>Battelle</i> Karen Riggs riggsk@battelle.org (Tel): 614-424-7379	<i>Advanced Monitoring Systems - Air</i>	
	Portable NO/NO ₂ Analyzers	Air, Monitoring
	Ambient Fine Particulate Monitors for Mass Determinations	Air, Monitoring
	Ambient Fine Particulate Monitors for Speciation Determinations	Air, Monitoring
	Optical Open Path Monitors	Air, Monitoring
	Mercury Continuous Emissions Monitors	Air, Monitoring
	On-Board Mobile Emissions Monitors	Air, Monitoring
	Multi-Metal Continuous Emissions Monitors	Air, Monitoring
	Portable Multi-Gas Emissions Analyzers	Air, Monitoring
	Ammonia Continuous Emission Monitors	Air, Monitoring
	Anti-Terrorism Air Monitoring Technologies	Air, Monitoring
	<i>Advanced Monitoring Systems - Water</i>	
	On-Line Turbidimeters	Water, Monitoring
	Portable Water Analyzer (test kit) for Nitrate	Water, Monitoring
	Portable Water Analyzers for Arsenic	Water, Monitoring
	Multi-Parameter Water Probes	Water, Monitoring
	Water-Borne Pathogen Detectors	Water, Monitoring
	Anti-Terrorism Water Monitoring Technologies	Water, Monitoring

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<p>Eric Koglin, EPA Manager Koglin.eric@epa.gov (Tel): 702-798-2332</p> <p>Oak Ridge National Laboratory Roger Jenkins jenkinsra@ornl.gov (Tel): 865-574-4871</p> <p>Sandia National Laboratory Wayne Einfeld weinfeld@sandia.gov (Tel): 505-845-8314</p>	Site Characterization and Monitoring Technologies (SCMT)	
	Anodic Stripping Voltammetry Systems	Lead in dust
	Decision Support Software	Monitoring
	Field Portable X-Ray Fluorescence Analyzers	Metals in Soil; Lead in Dust
	Field Portable Gas Chromatographs	CVOCs in water; PCBs in soil and solvent extracts; Explosives in soil
	Field Portable Gas Chromatographs/Mass Spectrometers	CVOCs in water; VOCs in soil, water, and soil gas
	Groundwater Sampling Techniques	CVOCs in water
	Immunoassay Test Kits/Immunosensors	PCBs in soil and solvent extracts; explosives in soil and water
	Ion Mobility Spectrometer	explosives in soil and water
	Ion Selective Electrodes	PCBs in soil, solvent extracts, and transformer oil
	Laser-Induced Fluorescence Sensors	Total petroleum hydrocarbons in subsurface soil
	Monitored Natural Attenuation	Hydrogen monitoring
	Photoacoustic Infrared Monitors	CVOCs in water
	Sediment Sampling Technologies	VOCs in sediment
	Soil/Soil Gas Sampling Technologies	CVOCs in soil/soil gas

CENTER	PRIORITY TECHNOLOGY CATEGORIES	TECHNOLOGY AREAS
ETV Water Quality Protection (WQP) Center Ray Frederick, EPA Manager (SWP) Frederick.ray@epa.gov (Tel): 732-321-6627 NSF International Tom Stevens stevenst@nsf.org (Tel): 734-769-5347 Rich Koustas, EPA Manager (WWF) Koustas.richard@epa.gov (Tel): 732-321-6639 NSF International John Schenk schenk@nsf.org (Tel): 734-913-5786	Source Water Protection Technologies (SWP)	
	In-Drain Treatment Technologies	Wastewater
	Residential Nutrient Reduction Technologies	Wastewater
	Decentralized Wastewater Treatment Technologies	Wastewater
	Disinfection Technologies for Decentralized Systems	Wastewater
	Urban Infrastructure - Coatings, Grouts, Pipe Liners, and Pipe Bursting Technologies	Wastewater
	Animal Waste Treatment Technologies - Solids Separation for Flushed Swine Waste	Wastewater
	Mercury Amalgam Separation Technologies	Wastewater
	UV Disinfection of Secondary Wastewater Effluent and Wastewater Reuse Applications	Wastewater
	Ship Ballast Water Treatment Technologies	Wastewater
	Wet Weather Flow Technologies (WWF)	
	Area/Velocity Flowmeters	Wastewater, Monitoring
	Stormwater Source-Area Treatment Devices	Wastewater
	Chemically-Enhanced High-rate Solids Separation	Wastewater
	Vortex High-rate Solids Separation	Wastewater
	High-rate Disinfection Technologies - UV Disinfection	Wastewater
	High-rate Disinfection Technologies - Induction Mixers	Wastewater
	Urban Runoff Models	Wastewater

CENTER	PRIORITY TECHNOLOGY CATEGORIES	TECHNOLOGY AREAS
ETV P2, Recycling and Waste Treatment Systems (P2RWT) Center Mike Kosusko, EPA Pilot Manager (CCEP) Kosusko.mike@epa.gov (Tel): 919-541-0359 <i>Concurrent Technologies Corporation</i> Brian Schweitzer schweitz@ctc.com (Tel): 814-269-2772 George Moore, EPA Pilot Manager (P2MF) Moore.george@epa.gov (Tel): 513-569-7991 <i>Concurrent Technologies Corporation</i> Donn Brown browndw@ctc.com (Tel): 727-549-7007 Norma Lewis, EPA Pilot Manager (P2RWT) Lewis.norma@epa.gov (Tel): 513-569-7665 (Fax): 513-569-7471	<i>P2 Innovative Coatings and Coating Equipment (CCEP) Pilot</i>	
	High-Volume Low-Pressure Paint Spray Guns	P2
	Spray Painter Training Devices	P2
	Innovative Liquid Paints	P2
	Paint Spray Gun and Line Cleaners	P2
	UV-Curable Coatings	P2
	High TE Paint Spray Guns	P2
	Process Technologies	P2
	Powder Coating Technologies	P2
	<i>P2 Metal Finishing Technologies (P2MF) Pilot</i>	
	Aqueous Cleaner Solution Maintenance	Water, P2
	Chromate Conversion Coating Solution Maintenance Technologies	Water, P2
	Water Use Reduction/Recycling	Water, P2
	Energy Use Reduction	P2
	Sludge Reduction	Water, P2
	Electroless Nickel Bath Maintenance	P2
	<i>P2, Recycling and Waste Treatment Systems (P2RWT) Pilot</i>	
	Rechargeable Alkaline Batteries	P2
	Aqueous Circuit Board Cleaners	Water, P2
	Aerosol Can Recycling Systems	Air, P2
	Computerized Ion Exchange Regeneration Processes	Water, P2
	Lithium Metallurgical Mineral Assays	P2

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	Vegetable Oil Transformer Fluids	P2
	Synchronous Scanning Luminoscopes	P2
	Arsenic Removal from Water Technologies	Water, P2
Indoor Air Products Les Sparks, EPA Pilot Manager Sparks.les@epa.gov (Tel): 919-541-2458 (Fax): 919-541-2157	Commercial Furniture	Air, P2
	Ventilation Air Filters	Air, P2
	Electronic Air Filters	Air, P2
EvTEC (Independent Pilot) Norma Lewis, EPA Pilot Manager Lewis.norma@epa.gov (Tel): 513-569-7665 (Fax): 513-569-7471	Wastewater Treatment Systems	Water
	Road Deicing Chemicals	Water, Soil, P2
	Waste Reduction (Plasma) Technologies	P2
	Waste Solidification/Stabilization Technologies	Soil
	Leak Detection Technologies	Soil
	Road Dust Control Agents	Air, Soil, P2
	Stormwater Control Devices	Water, P2
	Soil Remediation (Plasma) Systems	Soil
	Erosion Control Technologies	Water, Soil, P2
	Blended Cement	P2
	Bio-based Construction Materials	P2